RAW SEQUENCE LISTING   DATE: 09/14/2000
PATENT APPLICATION: US/09/245,549   TIME: 17:42:05

Input Set : A:\Sequence
Output Set: N:\CRF3\09142000\I245549.raw

```
 4 <110> APPLICANT: Zeros, Antonis S.
 6 <120> TITLE OF INVENTION: IN VIVO CONSTRUCTION OF DNA LIBRARIES
 8 <130> FILE REFERENCE: 10287/039001
10 <140> CURRENT APPLICATION NUMBER: US 09/245,549
11 <141> CURRENT FILING DATE: 1999-02-05
13 <150> PRIOR APPLICATION NUMBER: US 60/073,817
14 <151> PRIOR FILING DATE: 1998-02-05
16 <160> NUMBER OF SEQ ID NOS: 13
18 <170> SOFTWARE: FastSEQ for Windows Version 3.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 24
22 <212> TYPE: DNA
23 <213> ORGANISM: Unknown
25 <220> FEATURE:
26 <223> OTHER INFORMATION: primer_bind
28 <400> SEQUENCE: 1
29  gagatgcctc ctacccttat gatg                          24
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 24
33 <212> TYPE: DNA
34 <213> ORGANISM: Unknown
36 <220> FEATURE:
37 <223> OTHER INFORMATION: primer_bind
39 <400> SEQUENCE: 2
40  gattggacac ttgaccaaac ctct                          24
42 <210> SEQ ID NO: 3
43 <211> LENGTH: 24
44 <212> TYPE: DNA
45 <213> ORGANISM: Unknown
47 <220> FEATURE:
48 <223> OTHER INFORMATION: primer_bind
50 <400> SEQUENCE: 3
51  ctacccttat gatgtgccag atta                          24
53 <210> SEQ ID NO: 4
54 <211> LENGTH: 24
55 <212> TYPE: DNA
56 <213> ORGANISM: Unknown
58 <220> FEATURE:
59 <223> OTHER INFORMATION: primer_bind
61 <400> SEQUENCE: 4
62  ttgaccaaac ctctggcgaa gaag                          24
64 <210> SEQ ID NO: 5
65 <211> LENGTH: 24
66 <212> TYPE: DNA
67 <213> ORGANISM: Unknown
69 <220> FEATURE:
70 <223> OTHER INFORMATION: primer_bind
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RAW SEQUENCE LISTING   DATE: 09/14/2000
PATENT APPLICATION: US/09/245,549   TIME: 17:42:05

Input Set : A:\Sequence
Output Set: N:\CRF3\09142000\I245549.raw

```
 72 <400> SEQUENCE: 5
 73  gatgtgccag attatgcctc tccc                                    24
 75 <210> SEQ ID NO: 6
 76 <211> LENGTH: 24
 77 <212> TYPE: DNA
 78 <213> ORGANISM: Unknown
 80 <220> FEATURE:
 81 <223> OTHER INFORMATION: primer_bind
 83 <400> SEQUENCE: 6
 84  ctctggcgaa gaagtccaaa gctt                                    24
 86 <210> SEQ ID NO: 7
 87 <211> LENGTH: 17
 88 <212> TYPE: DNA
 89 <213> ORGANISM: Unknown
 91 <220> FEATURE:
 92 <223> OTHER INFORMATION: primer_bind
 94 <400> SEQUENCE: 7
 95  gaagtccaaa gcttgag                                            17
 97 <210> SEQ ID NO: 8
 98 <211> LENGTH: 15
 99 <212> TYPE: DNA
100 <213> ORGANISM: Unknown
102 <220> FEATURE:
103 <223> OTHER INFORMATION: primer_bind
105 <400> SEQUENCE: 8
106  attatgcctc tcccg                                             15
108 <210> SEQ ID NO: 9
109 <211> LENGTH: 13
110 <212> TYPE: DNA
111 <213> ORGANISM: Unknown
113 <220> FEATURE:
114 <223> OTHER INFORMATION: primer_bind
116 <221> NAME/KEY: misc_feature
117 <222> LOCATION: (1)...(13)
118 <223> OTHER INFORMATION: n = A,T,C or G
120 <400> SEQUENCE: 9
121  gaattcnnnn nnn                                               13
123 <210> SEQ ID NO: 10
124 <211> LENGTH: 13
125 <212> TYPE: DNA
126 <213> ORGANISM: Unknown
128 <220> FEATURE:
129 <223> OTHER INFORMATION: primer_bind
131 <221> NAME/KEY: misc_feature
132 <222> LOCATION: (1)...(13)
133 <223> OTHER INFORMATION: n = A,T,C or G
135 <400> SEQUENCE: 10
136  agatctnnnn nnn                                               13
138 <210> SEQ ID NO: 11
```

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  139 <211> LENGTH: 19
 '140 <212> TYPE: DNA
  141 <213> ORGANISM: Unknown
  143 <220> FEATURE:
  144 <223> OTHER INFORMATION: primer_bind
  146 <400> SEQUENCE: 11
  147  aattcgcggc cgcgtcgac                                            19
  149 <210> SEQ ID NO: 12
  150 <211> LENGTH: 9
  151 <212> TYPE: PRT
  152 <213> ORGANISM: Unknown
  154 <220> FEATURE:
  155 <223> OTHER INFORMATION: domain
  157 <221> NAME/KEY: VARIANT
  158 <222> LOCATION: (1)...(9)        /
  159 <223> OTHER INFORMATION: Xaa = Any Amino Acid
  161 <400> SEQUENCE: 12
W--> 162  Cys Xaa Xaa Cys Xaa Cys Xaa Xaa Cys
  163    1               5
  165 <210> SEQ ID NO: 13
  166 <211> LENGTH: 9
 .167 <212> TYPE: PRT
  168 <213> ORGANISM: Unknown
  170 <220> FEATURE:
  171 <223> OTHER INFORMATION: domain
  173 <221> NAME/KEY: VARIANT
  174 <222> LOCATION: (1)...(9)            /
  175 <223> OTHER INFORMATION: Xaa = Any Amino Acid
  177 <400> SEQUENCE: 13
W--> 178  Pro Xaa Xaa Trp Xaa Trp Xaa Xaa Pro
  179    1               5
```

VERIFICATION SUMMARY   DATE: 09/14/2000
PATENT APPLICATION: US/09/245,549   TIME: 17:42:06

Input Set : A:\Sequence
Output Set: N:\CRF3\09142000\I245549.raw

```
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
```